



MOTOROLA

Date: December 6, 2002

Subject: Request for additional information (FCC ID IHDT56CG1)

Reference:

Correspondence Reference Number:	5722
Confirmation Number:	TC902139
Date of Original Email:	11/6/2002

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Supplement to SAR Test Report for Motorola portable cellular phone (FCC ID IHDT56CG1)

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Summary of FCC request for additional information

There was a request for additional information regarding Motorola's SAR Test Report for Motorola portable cellular phone (FCC ID IHDT56CG1). The requested information is addressed below in the same numbering sequence received.

1). Please provide justification for limited SAR measurements for CDMA 1900 head. New supplement C procedures issued in recent public notice require measurements for 3 channels if the center channel is within 3 dB of the limit. Please provide data as necessary.

Additional measurements were performed and the tables below have been updated to include the additional measurement results in the CDMA1900 head configurations.

f (MHz)	Description	Conducted Output Power (dBm)	Left Head (Cheek / Touch Position)									
			Ant Extended					Ant Retracted				
			Measured (W/kg)	Drift (dB)	Extrapolated (W/kg)	Amb. Temp (°C)	Simulate Temp (°C)	Measured (W/kg)	Drift (dB)	Extrapolated (W/kg)	Amb. Temp (°C)	Simulate Temp (°C)
Analog 800MHz	Channel 991	27.44	1.07	-0.10	1.09	21.5	21.7	0.893	-0.03	0.90	21.5	21.7
	Channel 384	27.58	1.06	0.04	1.06	21.5	21.8	1.21	-0.25	1.28	21.5	21.8
	Channel 799	27.55	1.08	0.03	1.08	21.5	21.6	1.44	0.07	1.44	21.5	21.6
Digital 1900MHz	Channel 25	25.01	0.673	-0.07	0.68	23.4	21.4	1.08	0.08	1.08	22.2	20.7
	Channel 600	25.02	0.805	-0.06	0.82	22.2	20.5	0.997	-0.24	1.05	22.2	20.6
	Channel 1175	24.95	0.813	-0.11	0.83	23.4	21.3	1.30	-0.1	1.33	22.2	20.5

Table 1: SAR measurement results for the portable cellular telephone FCC ID IHDT56CG1 at highest possible output power. Measured against the left head in the Cheek/Touch Position.

f (MHz)	Description	Conducted Output Power (dBm)	Right Head (Cheek / Touch Position)									
			Ant Extended					Ant Retracted				
			Measured (W/kg)	Drift (dB)	Extrapolated (W/kg)	Amb. Temp (°C)	Simulate Temp (°C)	Measured (W/kg)	Drift (dB)	Extrapolated (W/kg)	Amb. Temp (°C)	Simulate Temp (°C)
Analog 800MHz	Channel 991	27.44	1.17	-0.06	1.19	22.5	22.0	0.856	0.02	0.86	22.5	22
	Channel 384	27.58	1.16	0.10	1.16	22.1	21.2	1.30	-0.05	1.32	22.1	21.4
	Channel 799	27.55	1.25	0.00	1.25	22.5	22.0	1.39	0.09	1.39	22.1	21.2
Digital 1900MHz	Channel 25	25.01	0.876	-0.19	0.92	23.4	21.4	0.94	-0.47	1.05	21.5	20.5
	Channel 600	25.02	0.904	-0.03	0.91	21.5	20.5	1.14	-0.19	1.19	21.5	20.5
	Channel 1175	24.95	1.01	-0.28	1.08	23.4	21.4	1.29	-0.08	1.31	21.5	20.5

Table 2: SAR measurement results for the portable cellular telephone FCC ID IHDT56CG1 at highest possible output power. Measured against the right head in the Cheek/Touch Position.